



SOLAR PV | BIPV Modules

BIPV Pergolas - Jardins Rambla Sants Barcelona, Spain



2016

PV PANEL

SI-ESF-M-BIPV-CT-P156-60

6 mm tempered glass high-transmit

0.76 mm PVB layer

0.21 mm polycrystalline PV cells 156x156 mm

0.76 mm PVB layer

6 mm tempered glass

Size: 1600 × 900 × 14 mm

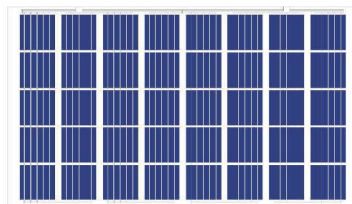
Matrix: 8 × 5

Transparency: 30%

Panel Power: 161 Wp

Quantity: 518 pcs

Total Power: 83,398 Wp



BIPV Tiles Passivhaus Premium - Málaga, Spain



2020

PV TILES

SI-ESF-M-BIPV-TL-M156-8

4 mm tempered glass high-transmit

0.38 mm PVB layer

0.21 mm monocrystalline PV cells 156x156 mm

0.38 mm PVB layer

4 mm tempered glass

Size: 705 × 410 × 9 mm

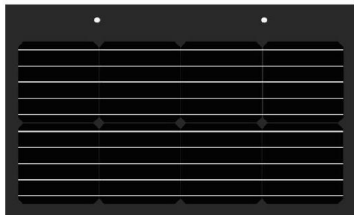
Matrix: 4 × 2

Transparency: 0%

Panel Power: 40 Wp

Quantity: 200 pcs

Total Power: 8,000 Wp



BIPV Roof Train station - Guangzhou, China



2020

PV PANEL

SI-ESF-M-BIPV-CT-CDTE-3

6 mm tempered glass high-transmit

0.76 mm PVB layer

3.2 mm tempered glass CdTe PV cells

0.76 mm PVB layer

6 mm tempered glass

Size: 1800 × 1200 × 19 mm

Matrix: 3

Transparency: 10%

Panel Power: 165 Wp

Quantity: 720 pcs

Total Power: 118,800 Wp



BIPV Roof Funeral home - Nanchang, China



2019

PV PANEL

SI-ESF-M-BIPV-CT-M156-60

3,2 mm tempered glass high-transmit

0.76 mm PVB layer

0.21 mm monocrystalline PV cells 156x156 mm

0.76 mm PVB layer

3,2 mm tempered glass

Size: 1667 × 1000 × 8 mm

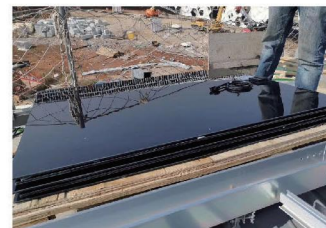
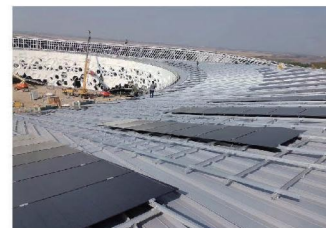
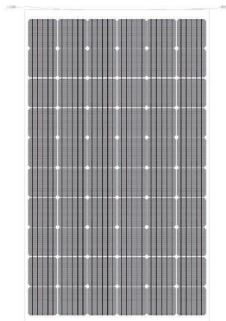
Matrix: 10 × 6

Transparency: 0%

Panel Power: 300 Wp

Quantity: 2050 pcs

Total Power: 615,000 Wp



BIPV Roof Concert Hall - Haikou, China



2019

PV PANEL

SI-ESF-M-BIPV-CT-P156-60

6 mm tempered glass high-transmit

0.76 mm PVB layer

0.21 mm polycrystalline PV cells 156×156 mm

0.76 mm PVB layer

6 mm tempered glass

Size: 1667 × 1000 × 14 mm

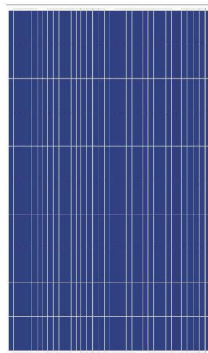
Matrix: 10 × 6

Transparency: 10%

Panel Power: 270 Wp

Quantity: 427 pcs

Total Power: 115,000 Wp



PVNB Noise Barrier - Pijnacker-Nootdorp, Netherlands



2017

PV PANEL

SI-ESF-M-BIPV-CT-P156-48

8 mm tempered glass high-transmit

0.76 mm PVB layer

0.21 mm polycrystalline PV cells 156×156 mm

0.76 mm PVB layer

8 mm tempered glass

Size: 2000 × 1300 × 18 mm

Matrix: 12 × 4

Transparency: 50%

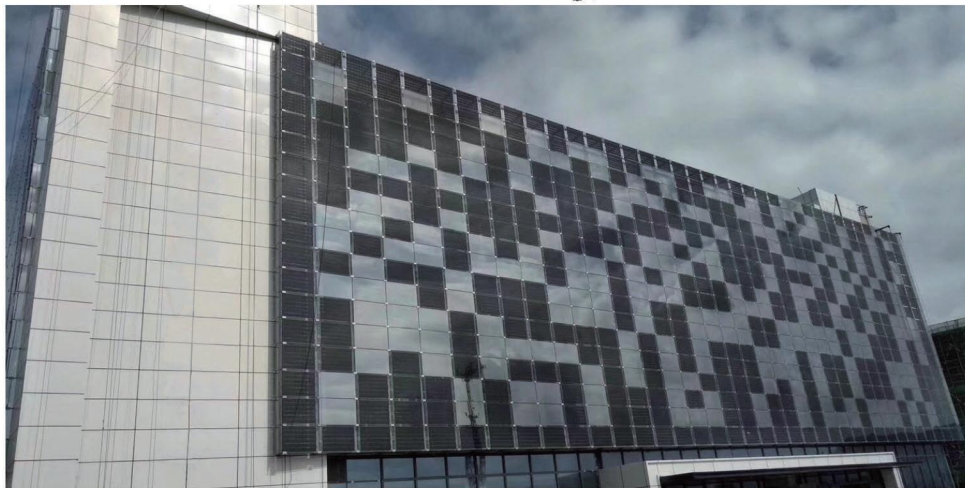
Panel Power: 220 Wp

Quantity: 240 pcs

Total Power: 52,800 Wp



BIPV Facade Hotel - Nanning, China



2018

PV PANEL

SI-ESF-M-BIPV-CT-M156-60

6 mm tempered glass high-transmit

0.76 mm PVB layer

0.21 mm monocrystalline PV cells 156x156 mm

0.76 mm PVB layer

6 mm tempered glass

Size: 1700 × 1000 × 14 mm

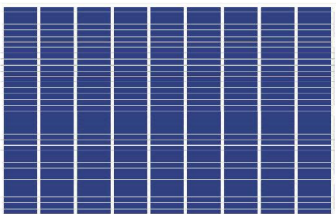
Matrix: 10 × 6

Transparency: 14%

Panel Power: 265 Wp

Quantity: 378 pcs

Total Power: 100,000 Wp



BIPV Parking United Nations - Serbia



2013

PV PANEL

SI-ESF-M-BIPV-CT-M156-28

6 mm tempered glass high-transmit

0.76 mm PVB layer

0.21 mm monocrystalline PV cells 156x156 mm

0.76 mm PVB layer

8 mm tempered glass

Size: 1990 × 995 × 16 mm

Matrix: 4 × 7

Transparency: 66%

Panel Power: 112 Wp

Quantity: 804 pcs

Total Power: 90,000 Wp



BIPV Greenhouses - Switzerland



2018

PV PANEL

SI-ESF-M-BIPV-GG-M156-60

2.5 mm tempered glass high-transmit

0.76 mm PVB layer

0.21 mm monocrystalline PV cells 156x156 mm

0.76 mm PVB layer

2.5 mm tempered glass

Size: 1665 × 1000 × 10 mm

Matrix: 6 × 10

Transparency: 10%

Panel Power: 290 Wp

Quantity: 1240 pcs

Total Power: 360,000 Wp



2016

PV PANEL

SI-ESF-M-BIPV-CT-M156-45

3.2 mm tempered glass high-transmit

0.76 mm PVB layer

0.21 mm monocrystalline PV cells 156x156 mm

0.76 mm PVB layer

3.2 mm tempered glass

Size: 1480 × 860 × 8 mm

Matrix: 5 × 9

Transparency: 30%

Panel Power: 180 Wp

Quantity: 1000 pcs

Total Power: 180,000 Wp



BIPV Facades - China



2017

PV PANEL

SI-ESF-M-BIPV-CT-M156-60

6 mm tempered glass high-transmit
0.76 mm PVB layer
0.21 mm mono PV cells 156x156 mm
0.76 mm PVB layer
6 mm tempered glass
12 mm air chamber
6 mm tempered glass

Size: 1658 × 992 × 32 mm

Matrix: 6 × 10 **Transparency:** 10%

Pnl Pw: 255 Wp **Quantity:** 800 pcs

Total Power: 204,000 Wp



2018

PV PANEL

SI-ESF-M-BIPV-CT-P156-60

4 mm tempered glass high-transmit
0.76 mm PVB layer
0.21 mm poly PV cells 156x156 mm
0.76 mm PVB layer
4 mm tempered glass

Size: 1650 × 1000 × 10 mm

Matrix: 10 × 6

Transparency: 10%

Panel Power: 270 Wp

Quantity: 560 pcs

Total Power: 151,761 Wp



2019

PV PANEL

SI-ESF-M-BIPV-CT-M156-60

6 mm tempered glass high-transmit
0.76 mm PVB layer
0.21 mm mono PV cells 156x156 mm
0.76 mm PVB layer
6 mm tempered glass

Size: 1667 × 1000 × 14 mm

Matrix: 10 × 6

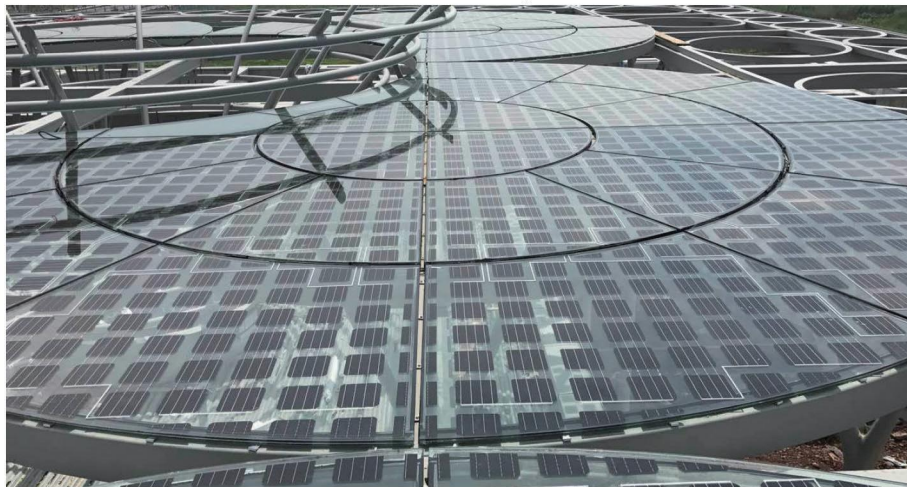
Transparency: 0%

Panel Power: 300 Wp

Quantity: 120 pcs

Total Power: 60,000 Wp

BIPV Roof Hotel - Suzhou, China



2017

PV PANEL

SI-ESF-M-BIPV-CT-M156

8 mm tempered glass high-transmit

0.76 mm PVB layer

0.21 mm monocrystalline PV cells 156x156 mm

0.76 mm PVB layer

8 mm tempered glass

Size: different

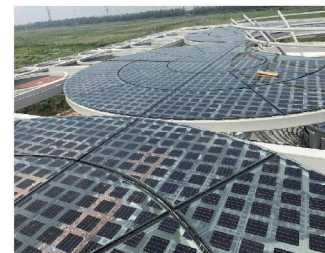
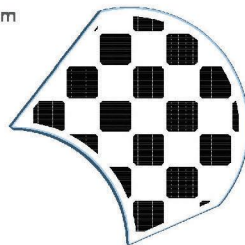
Matrix: -

Transparency: 50%

Panel Power: different

Quantity: X pcs

Total Power: 300,000 Wp



BIPV Roof The Grand Mansion Hotel Jakarta - Indonesia



2019

PV PANEL

SI-ESF-M-BIPV-CT-M156-60-310W

6 mm tempered glass high-transmit

0.76 mm PVB layer

0.21 mm monocrystalline PV cells 156x156 mm

0.76 mm PVB layer

6 mm tempered glass

Size: 970 × 2000 × 14 mm

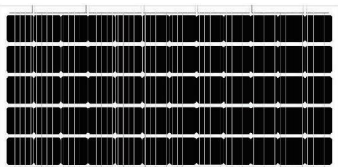
Matrix: 5 × 12

Transparency: 24%

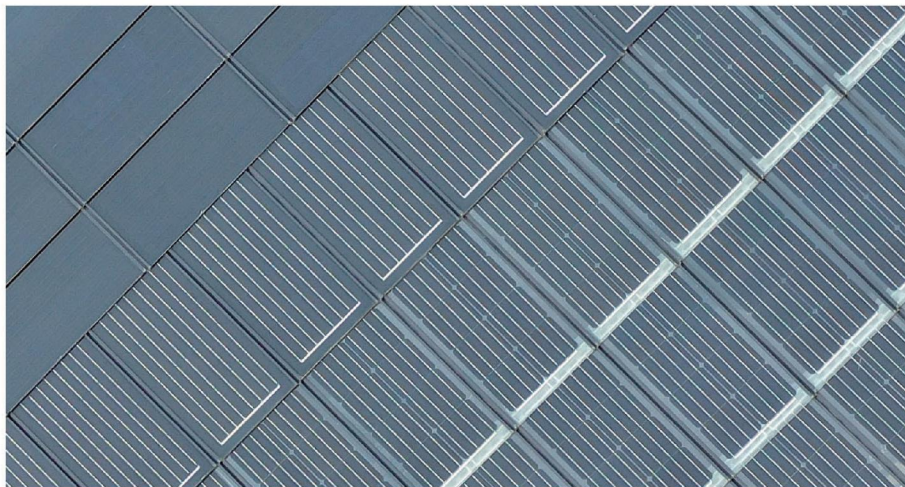
Panel Power: 310 Wp

Quantity: 101 pcs

Total Power: 31,310 Wp



BIPV Tiles



Tiles

Monocrystalline PV cells

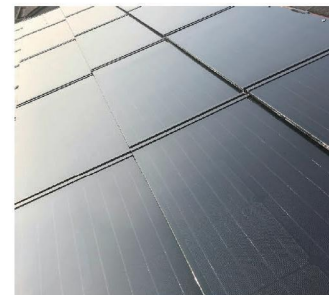
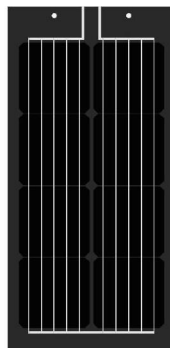
4 mm tempered glass high-transmit
0.76 mm PVB layer
0.21 mm monocrystalline PV cells 156x156 mm
0.76 mm PVB layer
4 mm tempered glass

SI-ESF-M-BIPV-TL-M156-8H

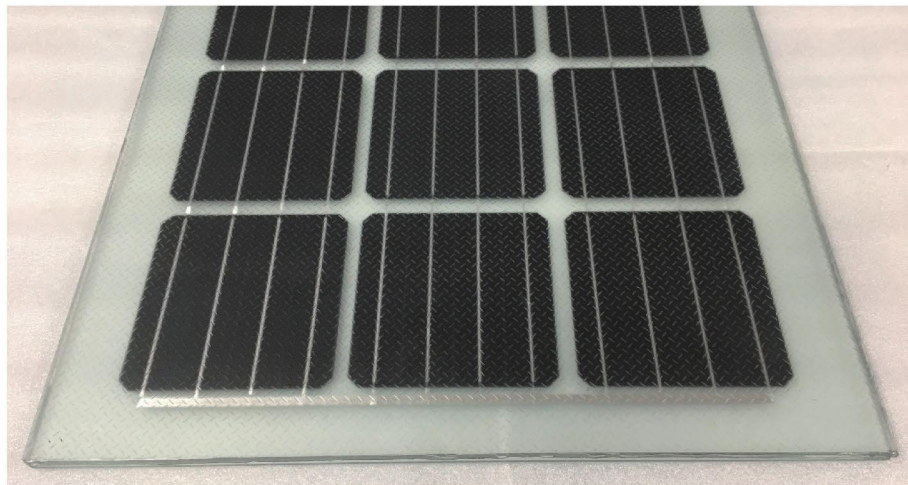
Size: 705 × 410 × 9 mm
Weight: 6.5 kg
Matrix: 4 × 2
Transparency: 0 - 32 %
Max Power: 40 Wp

SI-ESF-M-BIPV-TL-M156-8V

Size: 340 × 740 × 9 mm
Weight: 6.5 kg
Matrix: 2 × 4
Transparency: 0 - 32 %
Max Power: 40 Wp



BIPV Floor



Floor

Monocrystalline PV panel

8 mm tempered glass high-transmit anti-slip
0.38 mm PVB layer
0.21 mm monocrystalline PV cells 156x156 mm
0.38 mm PVB layer
8 mm tempered glass

SI-ESF-M-BIPV-FL-M156-9

Size: 600 × 600 × 17 mm

Weight: 15.33 kg

Matrix: 3 × 3

Max Power: 45 Wp

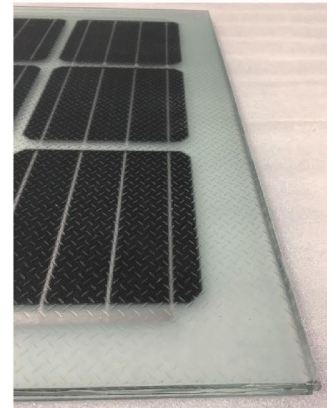
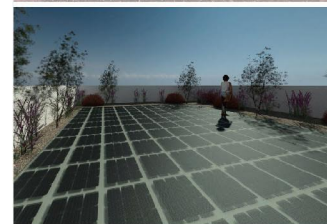
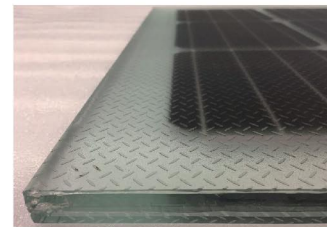
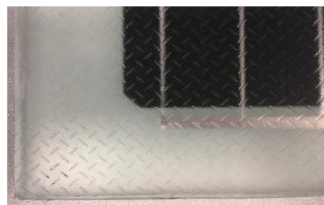
Anti-slip:

DIN 51130: R12

DIN 51097: Class C

UNE-ENV 12633: Class 3

ASTM C-1028



BIPV Balcony



Balcony

Monocrystalline PV panel

10 mm tempered glass high-transmit
0.76 mm PVB layer
0.21 mm monocrystalline PV cells 156x156 mm
0.76 mm PVB layer
10 mm tempered glass

SI-ESF-M-BIPV-TL-M156-28

Size: 1000 × 1260 × 22 mm
Weight: 66.5 kg
Matrix: 4 × 7
Transparency: 45.4 %
Max Power: 148 Wp



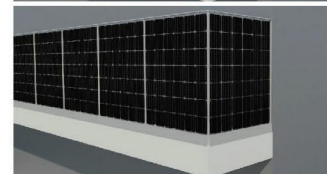
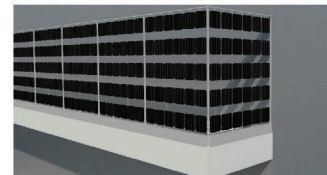
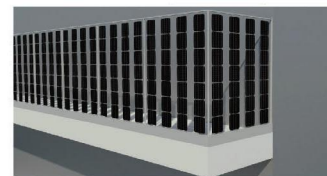
SI-ESF-M-BIPV-TL-M156-30

Size: 1000 × 1260 × 22 mm
Weight: 66.5 kg
Matrix: 6 × 5
Transparency: 41.5 %
Max Power: 158 Wp



SI-ESF-M-BIPV-TL-M156-42

Size: 1000 × 1260 × 22 mm
Weight: 66.5 kg
Matrix: 6 × 7
Transparency: 18.1 %
Max Power: 222 Wp



BIPV Canopy



Canopy

Monocrystalline PV panel

4 mm tempered glass high-transmit
0.76 mm PVB layer
0.21 mm monocrystalline PV cells 156x156 mm
0.76 mm PVB layer
4 mm tempered glass

SI-ESF-M-BIPV-CT-M156-24

Size: 1100 × 740 × 10 mm

Weight: 18.47 kg

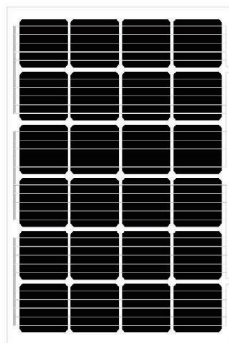
Matrix: 6 × 4

Transparency: 27.5 %

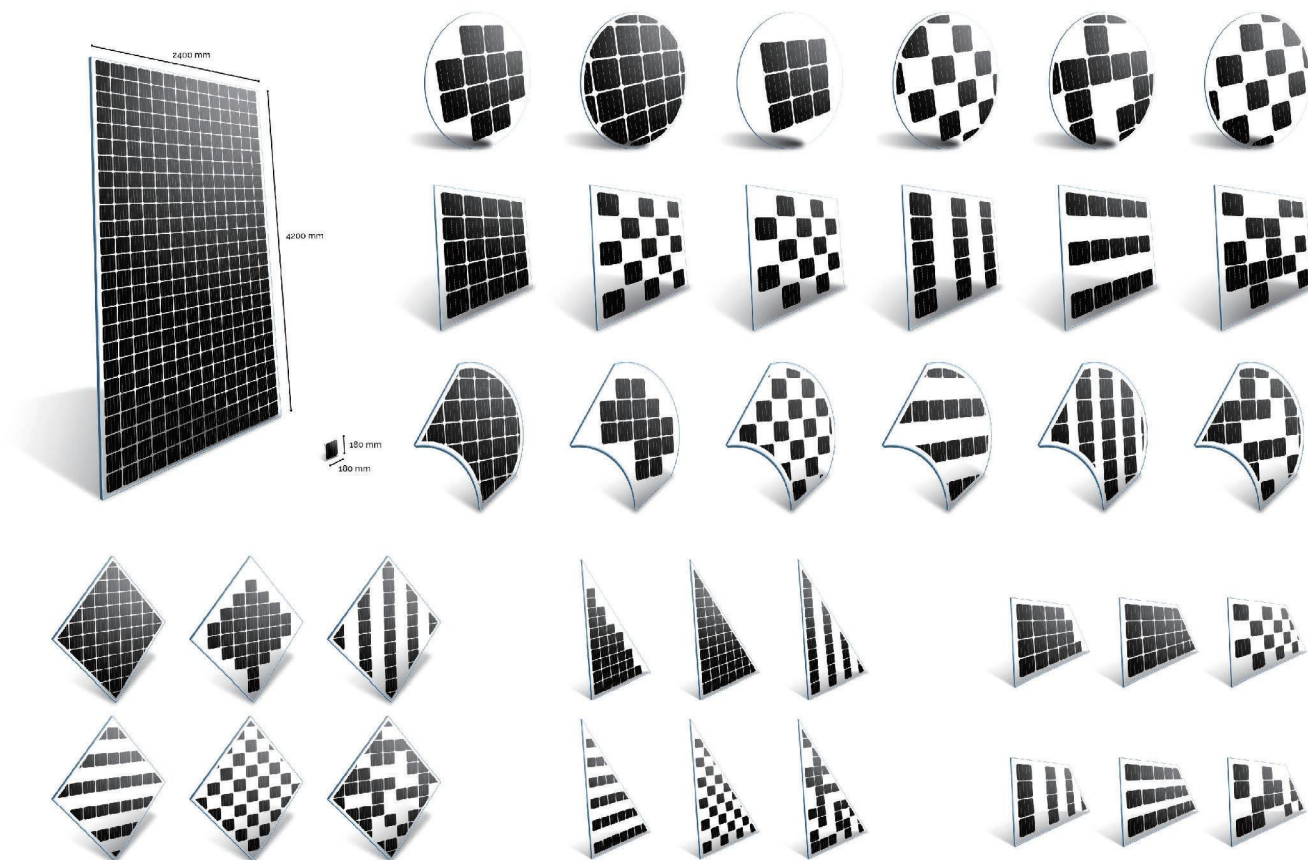
Panel Power: 130

Quantity: 28 pcs

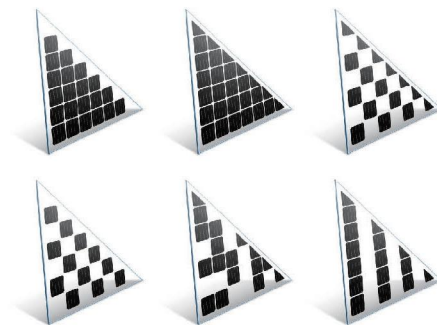
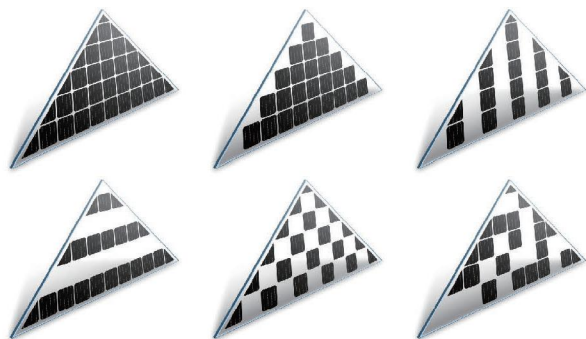
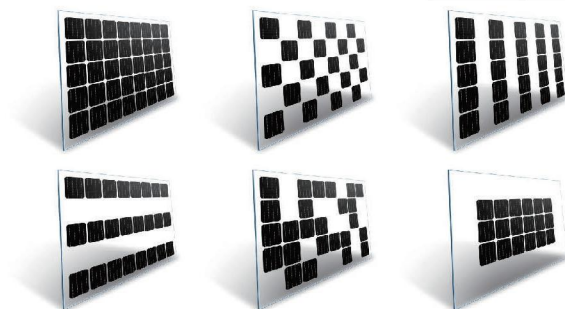
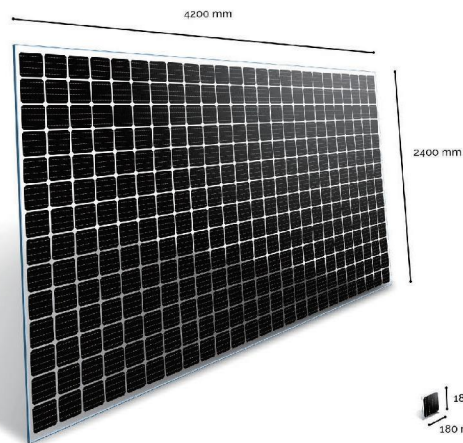
Total Power: 3.640 Wp



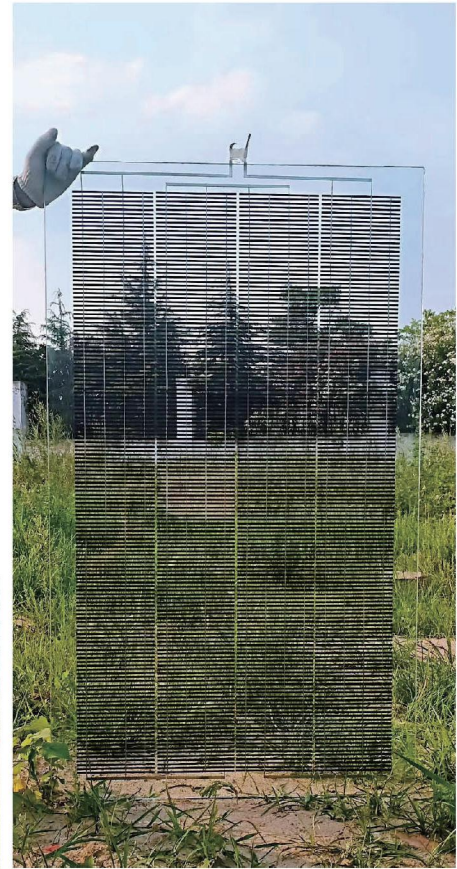
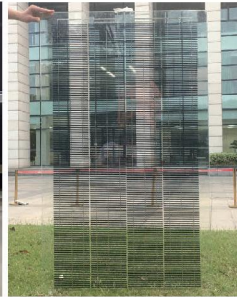
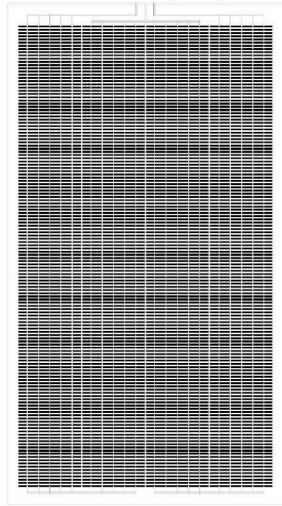
Size-shape



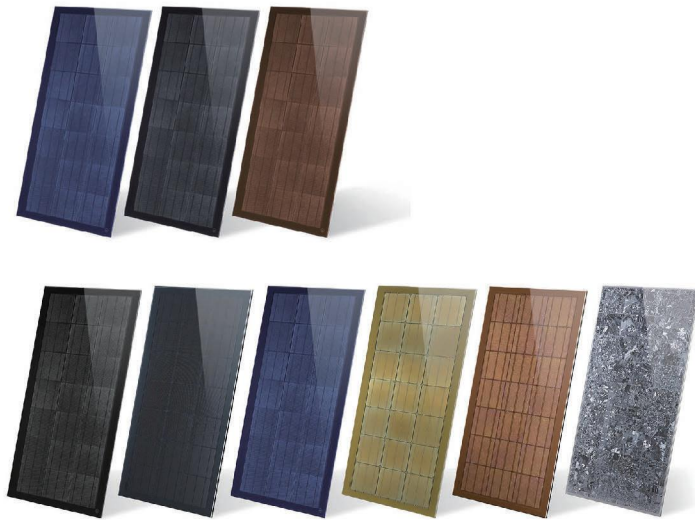
Size-shape



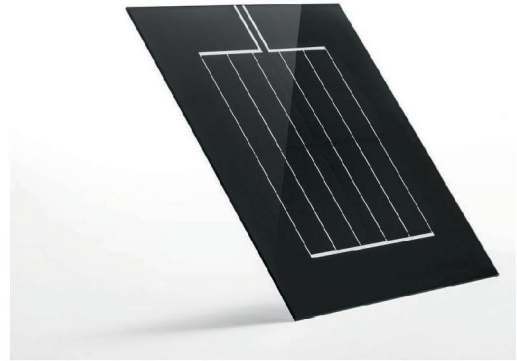
BIPV Strips panel



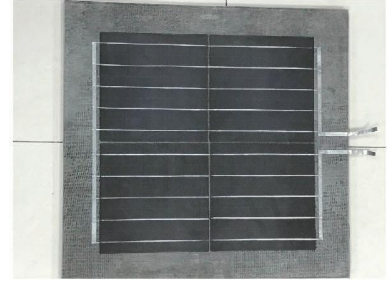
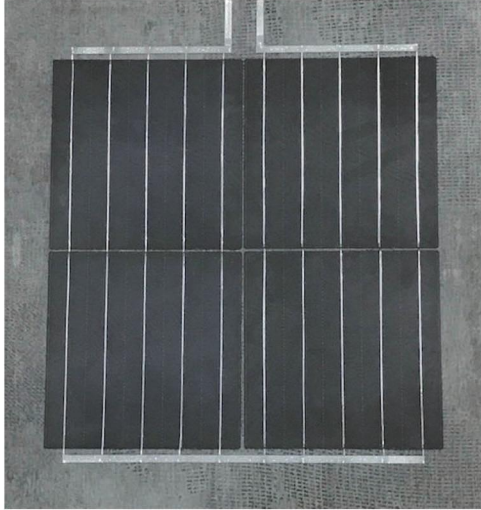
BIPV color cells



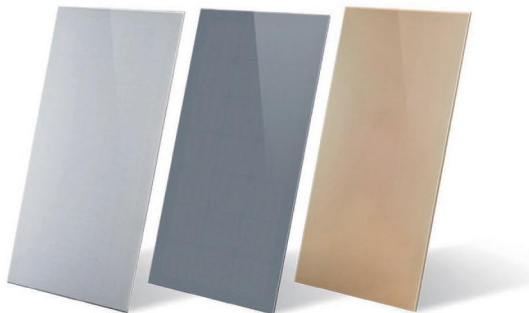
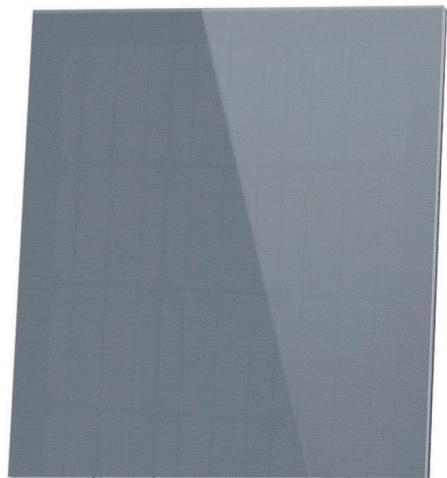
BIPV Glass+Glass Black & White



BIPV Glass+Stone



BIPV Glass+Glass Color Panel



BIPV Glass+Glass Printed Color Surface





SOLAR PV | BIPV Modules

 <https://www.stsolar.co.uk>

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